GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:1338
ANSWERED ON:08.12.2004
SETTING UP OF DESALINATION PLANT
Jagannath Dr. M.

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether the Bhabha Atomic Research Centre has worked on desalination technologies and has experience in erecting large scale desalination plants;

(b) if so, the details of plants erected by them to help drinking water problem; (

(c) whether they would participate in the proposed desalination plants to be set up in Chennai that would produce 300 million litres of potable water a day; and

(d) If not, the reasons therefor?

Answer

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN):
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(a) Yes, Sir.

(b) The Bhabha Atomic Research Centre (BARC) has set up a Reverse Osmosis (RO) Desalination Plant with a capacity of 18 (eighteen) lakh litres per day as a part of Nuclear Desalination Demonstration Project (NDDP), Kalpakkam, Tamil Nadu for sea water desalination which is operating satisfactorily. Another plant of the project is being set up by using Multi-Stage Flash (MSF) technology with a capacity of 45 lakh litres/day at Madras Atomic Power Station (MAPS), Kalpakkam. It is now proposed to set up a sea water desalination plant with a capacity of 6 (six) lakh litres per day at Lakshadweep.

BARC has set up Desalination Plants at Sheelgaon village in Barmer district (Rajasthan) [30,000 litres/day capacity] and Satlana village in Jodhpur district (30,000 litres/day capacity) in cooperation with Defence Laboratory, Jodhpur (Rajasthan) for providing drinking water from bore well/brackish water sources.

(c) BARC may provide technical support in the proposed desalination plants to be set up in Chennai, if required.

(d) Does not arise.